

# IMTS 2012

## Product Preview



### ROLLON USA

Booth E-4351

Rollon USA has launched the ELM series of linear units, the first in the company's new family of Actuatorline products. The ELM series is available in several sizes, offering designers a range of stroke lengths, load capacities, and shuttling speeds to meet different application requirements. ELM units are made of anodized aluminum extrusions for high mechanical strength and low



weight, plus a steel-reinforced polyurethane timing belt with either an AT pitch or parabolic profile. All ELM units are equipped with polyurethane sealing strips to protect internal parts against dust and foreign matter, with an optional bellows for critical environments.

The ELM units feature a maintenance-free ball bearing guide fitted within the extruded body and offer speeds to 5 m/s, high load capacity and bending moments, low friction, and a service life of 20,000 km without re-lubrication. Body dimensions for ELM units measure from 50×50mm to 110×110mm and maximum axial loads range from 530 to 2,650 N, with stroke lengths

from 100 to 3,700mm, depending on the model. All units support loads in any direction and may be installed in any position.

Units may be fitted with a variety of drive systems based on application needs, with the driving pulley attached to the reduction gear shaft by a tapered coupling to ensure high accuracy and long life. Versions with a planetary gear are well suited to highly dynamic robotic, automation and material handling applications involving stress cycles and high-precision requirements. Standard models are available with clearance from 3 to 15 ft. and reduction ratios of 1:3 to 1:1,000. Versions with worm gears are suitable for applications involving low speeds and accelerations.

For applications where movement of two linear units in parallel is required, a synchronization kit is available for easy installation. Where multi-axis units are desired, a specialized set of fittings including brackets and cross plates connect ELM units to each other and to Robot units within the Actuatorline product family. Rollon Corporation will be located at booth E-4351 at IMTS.

#### For more information:

Rollon Corporation  
101 Bilby Road, Suite B  
Hackettstown, NJ 07840  
Phone: (877) 976-5566  
[www.rollon.com](http://www.rollon.com)

### MOBIL INDUSTRIAL LUBRICANTS

Booth W-2504

ExxonMobil Lubricants and Petroleum Specialties, a division of Exxon Mobil Corporation ("ExxonMobil"), will showcase its range of expertly formulated machine shop lubricants that can offer potential energy efficiency benefits. ExxonMobil became the "Official Lubricant Supplier" for IMTS in 1960. "We look forward to once again serving as the Official Lubricant Supplier for IMTS and showcasing the range of performance benefits that our machine shop lubricants can provide," said David Scheetz, senior equipment builder engineer for ExxonMobil and former president for The Society of Tribologists and Lubrication Engineers (STLE). "As our customers seek new ways to improve their productivity and operational safety, as well as achieve increasingly aggressive sustainability targets, we are proud to offer Mobil-branded lubricants that are expertly formulated to deliver outstanding performance and can offer potential



energy efficiency benefits.” A few of the key products from ExxonMobil’s portfolio of machine shop lubricants that will be displayed at the company’s IMTS booth, W2504, includes Mobil DTE 10 Excel, Mobil SHC 600 and Mobil SHC Gear. Based on test results, these oils have all earned ExxonMobil’s official designation for industrial lubricants with energy efficiency benefits.

#### For more information:

Exxon Mobil Corporation  
3225 Gallows Road  
Fairfax, VA 22037  
Phone: (703) 846-4467  
[www.mobilindustrial.com](http://www.mobilindustrial.com)

## IGUS

Booth E-5610

Igus has created an interactive booth where visitors can learn how to integrate a wide range of products to solve their most demanding manufacturing challenges. New products on show include new igus E4.1 Energy Chains and “e-spool”, a direct replacement for cable drums. The company’s IMTS theme for 2012 will be, “Improve Technology. Reduce Costs.” Visitors to the company’s booth will be able to experiment with interactive product displays, as well as take advantage of the company’s free sample arrangement. Other noteworthy products to be displayed at the show include: plastic cable carriers with aluminum lids, and others with integrated rollers for exceptionally long travels, as well as new versions of igus’ Tri-flex R multi-axis cable carriers for robots. Visitors to the show should also check out the company’s Dry-Lin® slide tables and geared PRT slewing rings.

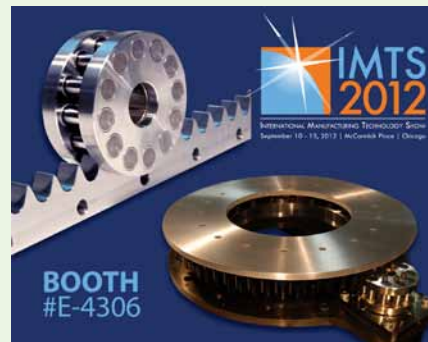
#### For more information:

Igus Inc.  
PO Box 14349  
East Providence, RI 02914  
Phone: (800) 521-2747  
[www.igus.com](http://www.igus.com)

## NEXEN GROUP

Booth E-4306

Nexen Group will be showcasing its innovative motion control products at the 2012 International Manufacturing Technology Show. This year, Nexen will be offering visitors an in-depth look at its latest Roller Pinion System (RPS) models, Precision Ring Drive (PRD) and will provide a preview of its new, first-of-its-kind technology. Specifically engineered to meet diverse and demanding motion control challenges, Nexen’s RPS features a unique roller pinion/toothed rack combination that delivers high-accuracy positioning with zero backlash and virtually eliminates cumulative error. Constantly evolving in order to provide the widest range of high-quality motion control solutions, the RPS is offered in five distinct models, each 99 percent efficient, with low friction and minimal maintenance requirements. For indexing and rotary positioning applications, Nexen’s PRD contains a roller pin-



ion system that is 99 percent efficient and a gearbox that performs at a 96 percent efficiency rating for smooth, precise motion. Reaching speeds of 300 rpm and lasting for up to 60,000,000 revolutions, the PRD combines power, rigidity and durability to satisfy current industry demands for higher performance capacity at lower energy costs.

#### For more information:

Nexen Group, Inc.  
560 Oak Grove Parkway  
Vadnais Heights, Minnesota 55127  
Phone: 651-484-5900  
[www.nexengroup.com](http://www.nexengroup.com)

# NACHI

## 50 years in America

Deep Groove Ball Bearings

High Efficiency Power Units

SG Drills

Specialty Materials

SRA 166/210 Robot

Booth W-2279

Nachi America Inc.  
715 Pushville Road  
Greenwood, Indiana 46143  
317-530-1001

[www.nachi.com](http://www.nachi.com)

# IMTS 2012

The following IMTS exhibitors are suppliers of products or services that may be of interest to buyers of power transmission and motion control components. The booth numbers include a letter (N=North, S=South, E=East, W=West) indicating a booth's building location.

## Alphabetical Listings

COMPANY	BOOTH
Aerotech Inc.	N-6460
All World Machinery Supply	E-5026
Andantex USA Inc.	N-6035
Argo-Hytos Inc.	E-4438
Atlanta Drive Systems Inc.	N-6420
B & R Industrial Automation	E-4201
Baker Bearing Co.	N-6788
Baldor Electric Co.	E-5748
Baum Mueller-Nuermont Corp.	E-4115
Beckhoff Automation	E-4271
Boca Bearing Co.	N-6892
Bosch Rexroth Corp.	E-5030
CGI Motion	E-5080
Chieftek Precision Co.	E-4661
Concept Systems Inc.	E-4180
Delta Computer Systems Inc.	E-4403
Deutschmann Automation GmbH	E-4490
DMM Technology Corp.	E-4464
Dontyne Systems	N-6791
Dreisilker Electric Motors	E-5755
Edgewater Automation	E-4130
Elmo Motion Control	E-4588
EMA Electronics Corp.	E-4000
ErlinkKlinger Kunststofftechnik GmbH	E-4095
ETEL Inc.	E-5358
EZO SPB-USA LLC	E-4443
Fagor Automation Corp.	E-5230
Flair Industry Accessory Co. Ltd.	W-1085
Fraba Inc./Posital	E-4185
GBSA Inc.	N-6489
Gear Technology magazine	N-7148
GMN USA	N-7175
Halifax Rack & Screw-North America	N-6789
Harbin Bearing Manufacturing Co. Ltd.	E-4566
Hawe Hydraulics	E-4436
Heidenhain Corp.	E-5224
Hirschmann Engineering USA Inc.	E-5112
Hiwin Corp.	E-5040
Hoover Precision Products Inc.	N-7080
Houghton International	W-2382
Hunger Hydraulics	E-4407
IC Flow Controls Inc.	E-4401
IC Fluid Power Inc.	E-4405
IFPE Fluid Power Zone	E-4434
Igus Inc.	E-5610
IKO International	E-5685
Industry Controls Inc.	E-4445
Iraundi S.A.	E-4060
Isutami USA Inc.	E-4105
Jakob Antriebstechnik GmbH	W-1779
K+S Services Inc.	E-5151
LFK Bearing (America) Co. Ltd.	N-6481
Luoyang Bearing Science and Technology Co. Ltd.	W-1958, N-7186
Micromatic LLC	E-4070
Mijno Precision Gearing	N-7227

COMPANY	BOOTH
Mitutoyo America Corp.	E-5214
Nachi America Inc.	W-2279
Napoleon Engineering Services	E-5803
NB Corporation of America	E-5558
Nexen Group Inc.	E-4306
Nook Industries	E-5080
NSK Americas	E-5145
Oelheld U.S. Inc.	N-6668
Oerlikon Balzers AG	W-2283
Power Transmission Engineering magazine	N-7148
Promess Inc.	E-5076
Quality Bearings & Components	E-4085
Real Time Automation Inc.	E-4191
Revere Control Systems	E-4165
Rollon Corp.	E-4351
Rotomag Motors & Controls Pvt. Ltd.	E-4065
Schaeffler Group USA	E-5157
Schneeberger Inc.	E-5640
Setco	N-6520
Siemens Industry Inc.	E-5010
SKF USA	E-5842
Smalley Steel Ring Co.	N-6300
Sommer Automatic Inc.	E-4456
Steinmeyer Inc.	E-5751
Suhner Industrial Products	W-1073
The Timken Co.	N-7190
VDMA	E-4090
Vinko Auto Industries Ltd.	E-4080
Von Ruden Manufacturing Inc.	W-1306
Wangfangdian Industry Metallurgical Bearing Manufacture Co.	N-6590
WD Bearing America	N-7089
Wittenstein	E-5386
Yaskawa America Inc.	E-4140, N-6600

## Listings by Booth Number

COMPANY	BOOTH
EMA Electronics Corp.	E-4000
Iraundi S.A.	E-4060
Rotomag Motors & Controls Pvt. Ltd.	E-4065
Micromatic LLC	E-4070
Vinko Auto Industries Ltd.	E-4080
Quality Bearings & Components	E-4085
VDMA	E-4090
ErlinkKlinger Kunststofftechnik GmbH	E-4095
Isutami USA Inc.	E-4105
Baum Mueller-Nuermont Corp.	E-4115
Edgewater Automation	E-4130
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Beckhoff Automation	E-4271
Nexen Group Inc.	E-4306
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IC Fluid Power Inc.	E-4405
Hunger Hydraulics	E-4407
IFPE Fluid Power Zone	E-4434
Hawe Hydraulics	E-4436
Argo-Hytos Inc.	E-4438
EZO SPB-USA LLC	E-4443
Industry Controls Inc.	E-4445
Sommer Automatic Inc.	E-4456
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The Timken Co.	N-7190
Mijno Precision Gearing	N-7227
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Von Ruden Manufacturing Inc.	W-1306
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Luoyang Bearing Science and Technology Co. Ltd.	W-1958
Nachi America Inc.	W-2279
Oerlikon Balzers AG	W-2283
Houghton International	W-2382

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